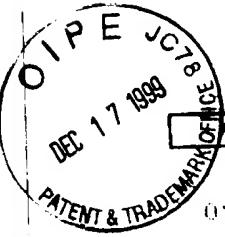




UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231



APPLICATION NUMBER

FILING/RECEIPT DATE

FIRST NAMED APPLICANT

ATTORNEY DOCKET NO./TITLE

09-1407, 605

09/28/99

MILLER

A

10278/009001

026271019

NOT ASSIGNED

P. LOUIS MYERS  
FISH & RICHARDSON P. C.  
225 FRANKLIN STREET  
BOSTON MA 02110-2804

1643  
DATE MAILED:

10/19/99

**NOTICE TO FILE MISSING PARTS OF APPLICATION**  
*Filing Date Granted*

An Application Number and Filing Date have been assigned to this application. The items indicated below, however, are missing. Applicant is given TWO MONTHS FROM THE DATE OF THIS NOTICE within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a). If any of items 1 or 3 through 5 are indicated as missing, the SURCHARGE set forth in 37 CFR 1.16(e) of  \$65.00 or  \$130.00 for a non-small entity, must also be timely submitted in reply to this NOTICE to avoid abandonment.

If all required items on this form are filed within the period set above, the total amount owed by applicant as a small entity (statement filed)  non-small entity is \$ 130.00.

1. The statutory basic filing fee is:

missing.  
 insufficient.

Applicant must submit \$ \_\_\_\_\_ to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).

2. The following additional claims fees are due:

\$ \_\_\_\_\_ for \_\_\_\_\_ total claims over 20.

\$ \_\_\_\_\_ for \_\_\_\_\_ independent claims over 3.

\$ \_\_\_\_\_ for multiple dependent claim surcharge.

Applicant must either submit the additional claim fees or cancel additional claims for which fees are due.

3. The oath or declaration:

is missing or unsigned.

does not cover the newly submitted items.

An oath or declaration in compliance with 37 CFR 1.63, including residence information and identifying the application by the above Application Number and Filing Date is required.

4. The signature(s) to the oath or declaration is/are by a person other than inventor or person qualified under 37 CFR 1.42, 1.43 or 1.47.

A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.

5. The signature of the following joint inventor(s) is missing from the oath or declaration:

An oath or declaration in compliance with 37 CFR 1.63 listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and Filing Date, is required.

6. A \$50.00 processing fee is required since your check was returned without payment (37 CFR 1.21(m)).

7. Your filing receipt was mailed in error because your check was returned without payment.

8. The application was filed in a language other than English.  
Applicant must file a verified English translation of the application, the \$130.00 set forth in 37 CFR 1.17(k), unless previously submitted, and a statement that the translation is accurate (37 CFR 1.52(d)).

9. OTHER:

Direct the reply and any questions about this notice to "Attention: Box Missing Parts."



Attorney Docket No.: 10278-009001 *SECRET*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Allan M. Miller et al.  
Serial No. : 09/407,605  
Filed : September 28, 1999  
Title : OPTIMIZED MESSENGER RNA

Art Unit : 1643  
Examiner : Unknown

**BOX MISSING PARTS**

Assistant Commissioner for Patents  
Washington, D.C. 20231

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION

Responsive to the Notice to File Missing Parts of Application under 37 CFR §1.53(b) mailed October 19, 1999 (a copy of which is enclosed), applicant as a small entity submits herewith the following:

Payment of the basic filing fee of \$0;

Payment of the additional/multiple dependent claims fees of \$0;

Payment of the surcharge of \$65 for late filing of the basic filing fee and/or declaration.

A check in the total amount of \$65 is attached.

A Verified Statement Claiming Small Entity Status;

A Combined Declaration and Power of Attorney in compliance with 37 CFR §1.63;

A verified English translation of the application and payment of the \$0 fee required under 37 CFR §1.17(k); and

Other: Copy of Verified Statement Claiming Small Entity Status previously filed July 19, 1999.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

December 14, 1999

Date of Deposit

A handwritten signature in black ink, appearing to read "T. M. Miller", is placed over the printed text "Date of Deposit" and the date "December 14, 1999".

Applicant Allan M. Miller et al.  
Serial No. 09/407,605  
Filed September 28, 1999  
Page 2

Attorney's Docket No.: 10278-009001

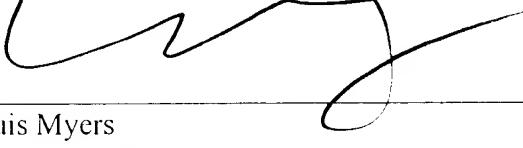
It is understood that this perfects the application and no additional papers or filing fees are required. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 14 Dec 99

PLM/czm/tms

Fish & Richardson P.C.  
225 Franklin Street  
Boston, MA 02110-2804  
Telephone: (617) 542-5070  
Facsimile: (617) 542-8906

  
\_\_\_\_\_  
Louis Myers  
Reg. No. 35,965